

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
26 May 2006 (26.05.2006)

PCT

(10) International Publication Number
WO 2006/054134 A2

(51) International Patent Classification: Not classified

(21) International Application Number:
PCT/IB2005/003122

(22) International Filing Date: 19 October 2005 (19.10.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
JP 2004-305664 20 October 2004 (20.10.2004) JP

(71) Applicant (for all designated States except US): NISSAN
MOTOR CO., LTD. [JP/JP]; No.2, Takara-cho, Kana-
gawa-ku, Yokohama-Shi, Kanagawa 228-0821 (JP).

(72) Inventors; and

(75) Inventors/Applicants (for US only): YAJIMA, Wataru
[JP/JP]; 3-3-7 Sagamidai, Sagamihara-shi, Kanagawa 228-
0821 (JP). TAKAHASHI, Shiegeki [JP/JP] (JP).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG,
KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA,
MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ,
OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL,
SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
VN, YU, ZA, ZM, ZW.

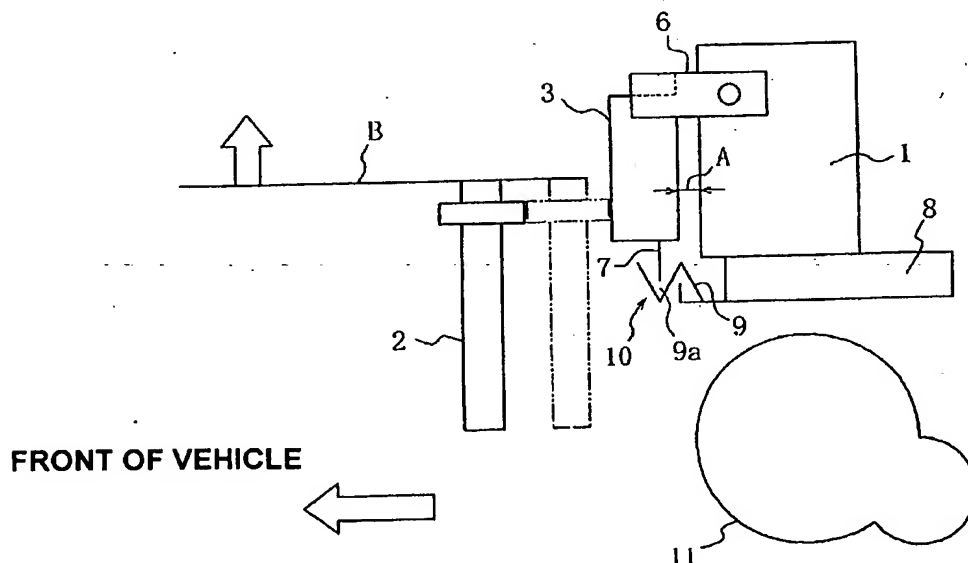
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT,
RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: INVERTER BUFFER STRUCTURE FOR A HYBRID VEHICLE



(57) Abstract: An inverter buffer structure for a vehicle is provided so that even when a head-on collision occurs, no damage is caused to the inverter case and its internal contents. In one embodiment an inverter buffer structure for a vehicle is disposed with an inverter in an engine compartment and is provided with buffer member between a surface of the inverter and a radiator core support that constitutes a portion of a frame of the vehicle to reduce an incoming force to the vehicle in the event of a collision.

WO 2006/054134 A2